



ES2010G Series

DIN-Rail Mounting or Wall Mounting

10-port Full Gigabit Unmanaged Ethernet Switch

- Support 2 Gigabit fiber ports, 8 Gigabit copper ports
- Input voltage: 12~48VDC, dual power supply, reverse polarity protection
- Support 0~55°C wide operating temperature range



Introduction

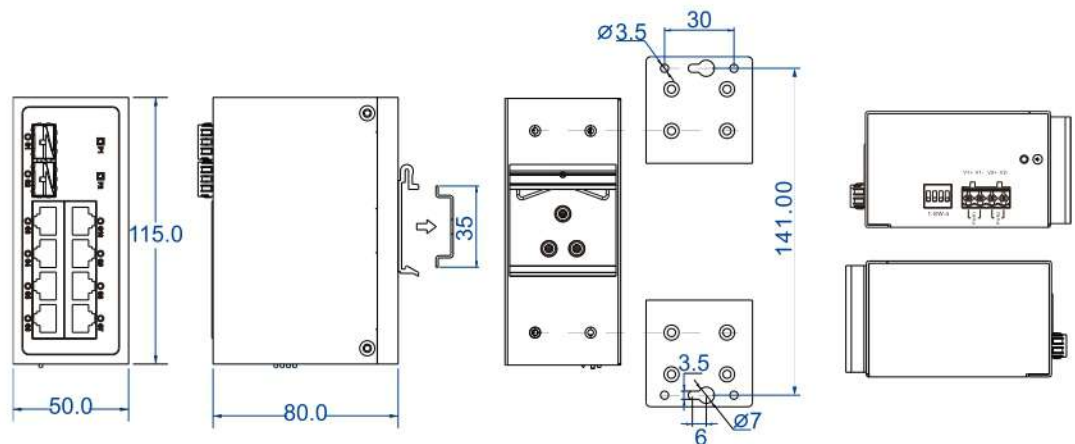
ES2010G series are 10-port full Gigabit unmanaged Ethernet switches. This series include two types of products and provide Gigabit fiber port, Gigabit SFP slot and Gigabit copper port. It adopts DIN-Rail or wall mounting which can meet the requirements of different scenes.

Power supply input is two independent power supply circuits, which can ensure the device normal operation when one of the power supplies breaks down. DIP switch supports one-click configuration of flow control, fiber port aggregation and copper port isolation. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

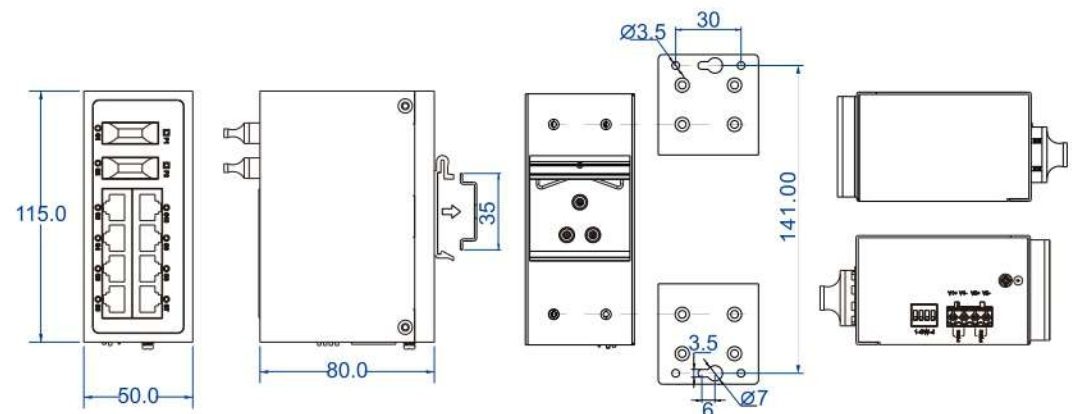
Dimension

Unit: mm

- ES2010G-2GS



- ES2010G-2GF



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow Control		
Interface	Copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning Fiber port: 1000Base-X, SC interface SFP slot: 1000Base-X, SFP slot		
LED Indicator	Power Supply Indicator, Port Indicator		
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 1Mbit Backplane bandwidth: 20G Switch time delay: < 10μs		
Power Requirement	12~48VDC, 4-pin 7.62mm pitch terminal blocks Dual power supply redundancy, reverse polarity protection		
Power Consumption	Model	No-load (@24VDC)	Full-load (@24VDC)
	ES2010G-2GS	2.4W	8.5W
	ES2010G-2GF	3.9W	8.1W
Environmental Limit	Operating temperature: 0~55℃ Storage temperature: -10~65℃ Relative humidity: 5% ~ 95% (no condensation)		
Physical Characteristic	Housing: IP30 protection, metal Installation: DIN-Rail mounting or wall mounting Dimension (W x H x D): 50mm×115mm×80mm Weight: ≤450g		
Industrial Standard	IEC 61000-4-2 (ESD, Electrostatic Discharge) , Level 4 (Suit for ES2010G-2GS) <ul style="list-style-type: none"> Air discharge: ±15kV Contact discharge: ±8kV 		
	IEC 61000-4-2 (ESD, Electrostatic Discharge), Level 1 (Suit for ES2010G-2GF) <ul style="list-style-type: none"> Air discharge: ±2kV 		

	<ul style="list-style-type: none">● Contact discharge: $\pm 2\text{kV}$ <p>IEC 61000-4-5 (Surge), Level 2 (Suit for ES2010G-2GF)</p> <ul style="list-style-type: none">● Power supply: common mode $\pm 1\text{kV}$, differential mode $\pm 0.5\text{kV}$● Ethernet port: $\pm 1\text{kV}$ <p>Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6</p>
Certification	CE, FCC, RoHS
Warranty	3 years



Ordering Information

Available Models	Gigabit SFP Slot	Gigabit Fiber Port	Gigabit Copper Port	Power Supply Range
ES2010G-2GS	2	-	8	12~48VDC
ES2010G-2GF	-	2	8	dual power supply



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